1. **How many 3 digit number can be formed with the digits 5, 6, 2, 3, 7 and 9 which are divisible by 5 and none of its digit is repeated?**
   a) 12
   b) 16
   c) 20
   d) 24
   e) None of these

   Answer & Explanation

2. **In how many different ways can the letter of the word ELEPHANT be arranged so that vowels always occur together?**
   a) 2060
   b) 2160
   c) 2260
   d) 2360
   e) None of these

   Answer & Explanation

3. **There are 4 bananas, 7 apples and 6 mangoes in a fruit basket. In how many ways can a person make a selection of fruits from the basket.**
   a) 269

Note: The Information Provided here is only for reference. It May vary the Original.

b) 280
c) 279
d) 256
e) None of these

Answer & Explanation

4. **There are 15 points in a plane out of which 6 are collinear. Find the number of lines that can be formed from 15 points.**
a) 105
b) 90
c) 91
d) 95
e) None of these

Answer & Explanation

5. **In how many ways 4 Indians, 5 Africans and 7 Japanese be seated in a row so that all person of same nationality sits together**
a) 4! 5! 7! 3!

b) 4! 5! 7! 5!

c) 4! 6! 7! 3!

d) can't be determined

e) None of these

Answer & Explanation

6. **In how many ways 5 Americans and 5 Indians be seated along a circular table, so that they are seated in alternative positions**

a) 5! 5!

b) 6! 4!

c) 4! 5!

d) 4! 4!

e) None of these

Answer & Explanation

7. **4 matches are to be played in a chess tournament. In how many ways can result be decided?**

a) 27

b) 9

c) 81

d) 243

e) None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

Q(8 –9) There are 6 players in a cricket which is to be sent to Australian tour. The total number of members is 12.

8. **If 2 particular member is always included**
   a) 210
   b) 270
   c) 310
   d) 420
   e) None of these

   Answer & Explanation

9. **If 3 particular player is always excluded**
   a) 76
   b) 82
   c) 84
   d) 88
   e) None of these

   Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

10. **In a group of 6 boys and 5 girls, 5 students have to be selected. In how many ways it can be done so that at least 2 boys are included**

a) 1524
b) 1526
c) 1540
d) 1560
e) None of these

Answer & Explanation

1. **In how many ways can 5 boys and 4 girls can be seated in a row so that they are in alternate position.**

a) 2780
b) 2880
c) 2800
d) 2980
e) None of these

Answer & Explanation

2. **In how many ways 5 African and five Indian can be seated along a circular table, so that they occupy alternate position.**

a) 5! 5!
b) 4! 5!
c) 5! 4!
d) 4! 4!

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

3. **There is meeting of 20 delegates is to be held in a hotel. In how many ways these delegates can be seated along a round table, if three particular delegates always seat together.**
   a) 17! 3!
   b) 18! 3!
   c) 17! 4!
   d) can't be determined

   Answer & Explanation

4. **In how many 8 prizes can be given to 3 boys, if all boys are equally eligible of getting the prize.**
   a) 512
   b) 343
   c) 256
   d) 526
   e) None of these

   Answer & Explanation

5. **There are 15 points in a plane out of which 6 are collinear. Find the number of lines that can be formed from 15 points.**
   a) 105

Note: The Information Provided here is only for reference. It May vary the Original.

b) 90
c) 91
d) 95
e) None of these

Answer & Explanation

6. **In party there is a total of 120 handshakes. If all the persons shakes hand with every other person. Then find the number of person present in the party.**
a) 15
b) 16
c) 17
d) 18
e) None of these

Answer & Explanation

7. **There are 8 boys and 12 girls in a class. 5 students have to be chosen for an educational trip. Find the number of ways in which this can be done if 2 particular girls are always included**
a) 812
b) 816
c) 818

Note: The Information Provided here is only for reference. It May vary the Original.

d) 820

e) None of these

Answer & Explanation

8. **In how many different ways the letters of the world INSIDE be arranged in such a way that all vowels always come together**

a) 64

b) 72

c) 84

d) 96

e) None of these

Answer & Explanation

9. **How many 3 digit number can be formed by 0, 2, 5, 3, 7 which is divisible by 5 and none of the digit is repeated.**

a) 24

b) 36

c) 48

d) 60

e) None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

10. **In a group of 6 boys and 8 girls, 5 students have to be selected. In how many ways it can be done so that at least 2 boys are included**

a) 1524
b) 1526
c) 1540
d) 1560
e) None of these

Answer & Explanation

1. **How many words of 4 letters with or without meaning be made from the letters of the word 'NUMBER', when repetition of letters is not allowed?**

A) 480
B) 360
C) 240
D) 360
E) 24

Answer & Explanation

2. **In how many ways the letters of the word 'ALLIGATION' be arranged taking all the letters?**

A) 120280
B) 453600
C) 360340
D) 3628800
E) None of these

Note: The Information Provided here is only for reference. It May vary the Original.

Answer & Explanation

3. **In how many ways all the letters of the word 'MINIMUM' be arranged such that all vowels are together?**
   A) 60
   B) 30
   C) 90
   D) 70
   E) 120

Answer & Explanation

4. **In how many ways a group of 4 men and 3 women be made out of a total of 8 men and 5 women?**
   A) 720
   B) 140
   C) 120
   D) 360
   E) 210

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

5. **How many 3 digit numbers are divisible by 4?**
   A) 256
   B) 225
   C) 198
   D) 252
   E) 120

   Answer & Explanation

6. **How many 3 digits numbers have exactly one digit 2 in the number?**
   A) 225
   B) 240
   C) 120
   D) 160
   E) 185

   Answer & Explanation

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7. **There are 8 men and 7 women. In how many ways a group of 5 people can be made such that the particular woman is always to be included?**
   A) 860
   B) 1262
   C) 1001
   D) 1768
   E) 984

Answer & Explanation

8. **There are 6 men and 7 women. In how many ways a committee of 4 members can be made such that a particular man is always to be excluded?**
   A) 280
   B) 420
   C) 220

Note: The Information Provided here is only for reference. It May vary the Original.

D) 495

E) 460

Answer & Explanation

9. **How many 4 digit words can be made from the digits 7, 8, 5, 0, and 4 without repetition?**

A) 70

B) 96

C) 84

D) 48

E) 102

Answer & Explanation

10. **In how many ways 8 students can be given 3 prizes such that no student receives more than 1 prize?**

A) 348

B) 284

C) 224

D) 336

E) None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

1. **In how many ways 5 rings can be worn on 3 fingers?**
   A) 15
   B) 120
   C) 60
   D) 70
   E) 243

   Answer & Explanation

2. **In how many ways the letters of the word 'AUTHOR' be arranged taking all the letters?**
   A) 120
   B) 720
   C) 360
   D) 60
   E) None of these

   Answer & Explanation

3. **In how many ways the letters of the word 'MINIMUM' be arranged taking all the letters?**
   A) 420
   B) 840
   C) 5040

Note: The Information Provided here is only for reference. It May vary the Original.

D) 720

E) 360

Answer & Explanation

4. **How many words of 4 letters with or without meaning be made from the letters of the word 'LEADING', when repetition of letters is allowed?**

A) 4808

B) 57600

C) 2401

D) 57624

E) None of these

Answer & Explanation

5. **In how many ways letters of word 'INVISIBLE' be arranged such that all vowels are together?**

A) 2560

B) 2880

C) 5040

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D) 2520

E) 720

Answer & Explanation

N V S B L (I I I E)

6. **How many words can be made out of the letters of word 'POUNDING' such that all vowels occupy odd places?**

A) 1440

B) 1400

C) 7200

D) 5600

E) 40320

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

7. **In how many ways a group of 2 men and 4 women be made out of a total of 4 men and 7 women?**
   A) 720
   B) 210
   C) 420
   D) 360
   E) 120

   Answer & Explanation

8. **There are 8 men and 7 women. In how many ways a group of 5 people can be made such that at least 3 men are there in the group?**
   A) 1545
   B) 1626
   C) 1722
   D) 1768
   E) 1844

   Answer & Explanation

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9. **There are 6 men and 7 women. In how many ways a committee of 4 members can be made such that a particular woman is always included.**

A) 180
B) 120
C) 240
D) 220
E) 260

Answer & Explanation

10. **There are 5 men and 3 women. In how many ways a committee of 3 members can be made such that 2 particular men are always to be excluded.**

A) 50
B) 20
C) 24
D) 48
E) None of these

Answer & Explanation

1. **In a exam paper 1st section contains 10 questions each with 5 choices and second section contains 5 questions each with 4 choices. In how many different ways can the paper be answered if all the questions are attempted.**

A. $10^5 \times 4^5$
B. $5^{10} \times 4^5$
C. $5^{10} \times 5^4$
D. $10^5 \times 5^4$
E. None of these

Note: The Information Provided here is only for reference. It May vary the Original.

Answer & Explanation

2. **How many four digit number can be formed with the digits 5,9,1 and 3 only ?**

A.64

B.216

C.256

D.324

E.None of these

Answer & Explanation

3. **Find the number of ways in which 9 students equally divided into three groups ?**

A.280

B.360

C.200

D.540

E.None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

4. **Find the number of ways of distributing 9 identical balls into 4 boxes so that no box is empty and each box being large enough to accommodate all balls ?**

A.63

B.45

C.62

D.56

E.None of these

Answer & Explanation

5. **12 students participated in the competition and each get different score. In how many ways can three different prizes given ?**

A.1320

B.1240

C.1650

D.1870

E.None of these

Answer & Explanation

6. **How many arrangement can be made from the word COMMERCE, such that all the vowels do not come together ?**

A.6800

B.5600

C.1080

Note: The Information Provided here is only for reference. It May vary the Original.

D.9000

E.None of these

Answer & Explanation

7. **Three brothers have 5 shirts, 8 pants and 6 ties. In how many ways can they wear them ?**

A.2400200

B.2419000

C.2419200

D.2419100

E.None of these

Answer & Explanation

8. **5 men and 3 women are to be seated such that no 2 women sit together and 2 men sit together. Find the no of ways in which this can be arranged ?**

A.625

B.720

C.525

D.516

E.None of these

Note: The Information Provided here is only for reference. It May vary the Original.

Answer & Explanation

9. **A group consists of 3 couples in which each of the 3 men have one wife each. In how many ways could they arranged in a straight line so that the men and women occupy alternate position ?**

A.216

B.125

C.256

D.72

E.None of these

Answer & Explanation

10. **In how many ways can 5 different balls be distributed to 4 different boxes, when each of the can hold any no of ball ?**

A.1024

B.1200

C.1234

D.1600

E.None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.